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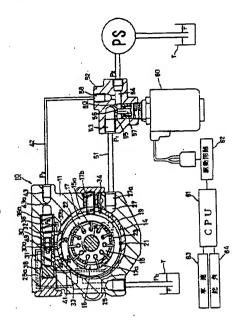
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TITLE

VARIABLE DISPLACEMENT PUMP



ABSTRACT : PROBLEM TO BE SOLVED: To ensure required pump discharge by constituting a variable displacement pump for a power steering to cope with the conditions of vehicle speed, a steering angle, and the like.

> SOLUTION: A carn ring 17 for forming a pump chamber 18 between a rotor 15 and the cam ring 17 in a pump body 11 is provided and energized in a direction of maximizing pump displacement. First and second fluid pressure chambers 33, 34 are formed between the pump body 11 and both moving direction sides of the cam ring 17, being partitioned from pump discharge side passages 27, 51. The cam ring 17 is displaced in the direction of increasing/decreasing pump displacement by the fluid pressure difference between both chambers 33, 34. The pump discharge side passage 51 is provided with a metering throttle 50, and an electronic control means such as a solenoid 60 and electronic control parts 61, 62 for controlling the driving current are provided for variably controlling the metering throttle 50.

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